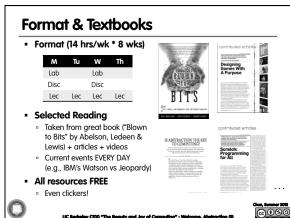


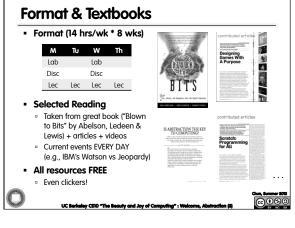
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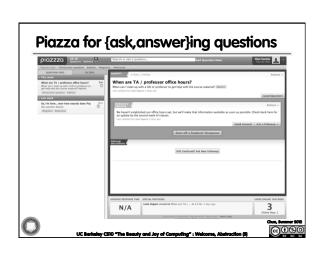
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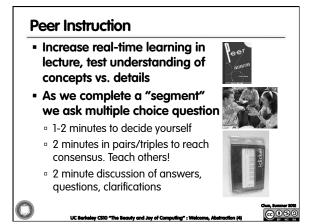
· Of your' own choice!

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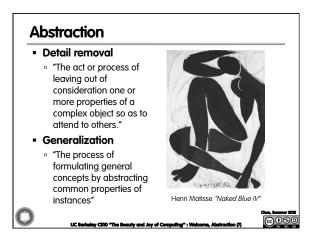


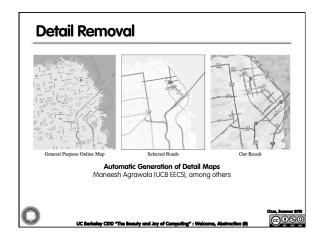


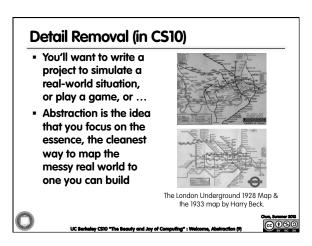


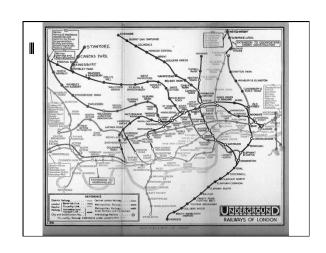


Grading - EPA Effort Participation Altruism Not Competitive Absolute Grading (No Curve, No Limit on A's) Course Historical Average = B/B+ CS Department Average = B-

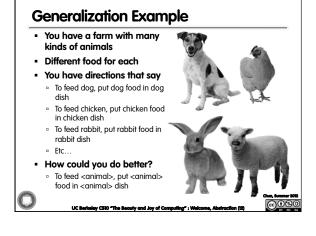












Generalization (in CS10)

 You are going to learn to write functions, like in math class:

 $y = \sin(x)$

 You should think about what inputs make sense to use so you don't have to duplicate code



"Function machine" from Simply Scheme (Harvey)

I C Barbalay CSIO "The Beruty and lay of Computing" - Welcome Abstraction (IV



Summary

- Abstraction is one of the big ideas of computing and computational thinking
- Think about driving. How many of you know how a car works? How many can drive a car? Abstraction!



Anyone who knows how to drive can operate a hybrid, an electric car, or a diesel car, because they've kept the same Abstraction! (right pedal faster, left pedal slower)

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